THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number One February 2000

Contents

Frontispiece		1
Leading Article: Classification of congenital anomalies of the upper limb	*A. J. M. Luijsterburg, M. A. van Huizum, B. E. Impelmans, E. Hoogeveen, C. Vermeij-Keers and S. E. R. Hovius*	3
Similarities between a conjoined nail and the palmar nail syndrome	*M. M. Al-Qattan and A. Al-Rabeeah*	8
Nail fold creation in complete syndactyly using Buck-Gramcko pulp flaps	*A. Golash and J. S. Watson*	11
Distraction lengthening of the forearm for congenital and developmental problems	*E. Horii, R. Nakamura, E. Nakao, H. Kato and H. Yajima*	15
Long-term follow-up of surgical correction of Madelung's deformity with conservation of the distal radioulnar joint in teenagers	*A. Salon, M. Serra and J. C. Pouliquen*	22
Injuries to the hand from dog bites	*I. Grant and H. J. C. R. Belcher*	26
The use of ultrasound in the diagnosis of injuries of the ulnar collateral ligament of the thumb	*M. H. Jones, S. J. England, C. L. Muwanga and T. Hildreth*	29
Dynamic radial translation instability of the carpus	*Y. Allieu and M. Garcia-Elias*	33
Arthroscopic resection of dorsal wrist ganglia and treatment of recurrences	*R. Luchetti, A. Badia, M. Alfarano, J. Orbay, I. Indriago and B. Mustapha*	38
Functional scoring system for obstetric brachial plexus palsy	*H. Basheer, V. Zelic and F. Rabia*	41
Classification of impairment of shoulder abduction in obstetric brachial plexus palsy and its clinical significance	*Y-D. Gu, L. Chen and L-Y. Shen*	46
Developmental and behavioural outcome in obstetric brachial plexus palsy	*M. Bellew, S. P. J. Kay, F. Webb and A. Ward*	49
Obstetric brachial plexus palsy: a large animal model for traction injury and its repair. Part 1: Age of the recipient	*A. C. Fullarton, D. V. Lenihan, L. M. Myles and M. A. Glasby*	52
A new classification for fingertip injuries	*D. M. Evans and C. Bernadis*	58
Immediate de-syndactylization of the reverse radial forearm flap	*M. M. Al-Qattan and M. Ziesmann*	61
De Quervain's disease. Changing pathology or changing perception?	*N. R. M. Kay*	65
Histological appearances in post-partum de Quervain's disease	*H. S. Read, G. Hooper and R. Davie*	70
Median nerve latency measurement agreement between portable and conventional methods	*I. Atroshi, C. Gummesson, R. Johnsson, E. Ornstein and I. Rosén*	73
Primary flexor tendon repair in zone 1	*N. S. Moiemen and D. Elliot*	78
Morphology and dynamics of the ulnar nerve in the cubital tunnel. Observation by ultrasonography	*M. Okamoto, M. Abe, H. Shirai and N. Ueda*	85
Feasibility of partial A2 and A4 pulley excision: residual pulley strength	*G. Mitsionis, K. J. Fischer, J. A. Bastidas, R. Grewal, H. J. Pfaeffle and M. M. Tomaino*	90
The role of magnetic resonance imaging in late presentation of isolated injuries of the flexor digitorum profundus tendon in the finger	*B. A. Kumar, A. R. Tolat, G. Threepuraneni and B. Jones*	95
The use of a graft from the second extensor compartment to reconstruct the A2 flexor pulley in the long finger	*M. Gabl, C. Reinhart, M. Lutz, G. Bodner, P. Angermann and S. Pechlaner*	98
Biomechanical effectiveness of taping the A2 pulley in rock climbers	*A. Schweizer*	102
Rupture of the ulnar collateral ligament of the metacarpophalangeal joint of the index finger	*M. Bosch Aguilá, J. Solana Carné and A. Henriquez Lluch*	108
An accessory extensor tendon of the thumb as a cause of dorsal wrist pain	*J. D. Beatty, D. Remedios and C. J. McCullough*	110
Bipartite scaphoid with proximal pole osteonecrosis in a patient with Holt-Oram syndrome	*D. E. Tate, A. Gupta and H. E. Kleinert*	112
Notices		115
Contents to the *Journal of Hand Surgery* (American volume)		
Instructions to Authors		

THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number Two April 2000

Contents

Frontispiece		119
Leading Article: Carpal tunnel syndrome: reconciling "demand management" with clinical need	*F. D. Burke*	121
Relationship between the self-administered Boston questionnaire and electrophysiological findings in follow-up of surgically-treated carpal tunnel syndrome	*M. Mondelli, F. Reale, F. Sicurelli and L. Padua*	128
Is the reversed fourth dorsal metacarpal flap reliable?	*J. R. Benito, A. Ferreres, A. Rodriguez-Baeza, J. Monner, V. Paloma and J. M. R. Serra*	135
A comparison of dynamic extension splinting and controlled active mobilization of complete divisions of extensor tendons in zones 5 and 6	*A. R. Khandwala, J. Webb, S. B. Harris, A. J. Foster and D. Elliot*	140
Reduction in pain associated with open carpal tunnel decompression	*K. Avramidis, J. C. Lewis and P. Gallagher*	147
Does splintage help pain after carpal tunnel release?	*R. Bhatia, J. Field, J. Grote and H. Huma*	150
Nerve stripping: new treatment for neuromas of the palmar cutaneous branch of the median nerve	*M. Lanzetta and R. Nolli*	151
Centro-central union for the prevention of neuroma formation after finger amputation	*H. J. C. R. Belcher and A. N. Pandya*	154
The extended latissimus dorsi muscle island flap for flexion or extension of the fingers	*J. Gousheh, H. Arab and A. Gilbert*	160
The prognostic value of concurrent Horner's syndrome in total obstetric brachial plexus injury	*M. M. Al-Qattan, H. M. Clarke and C. G. Curtis*	166
Retrospective outcome analysis of staged flexor tendon reconstruction	*T. G. Frakking, K. P. Depuydt, M. Kon and P. M. N. Werker*	168
Histogenesis and morphology of the flexor tendon pulley system in the human embryonic hand	*M. C. Sbernardori, G. Fenu, A. Pirino, C. Fabbriciani and A. Montella*	175
Static splinting of the extensor tendon repairs	*T. Purcell, P. A. Eadie, S. Murugan, M. O'Donnell and M. Lawless*	180
Hyaluronic acid modulates cell proliferation unequally in intrasynovial and extrasynovial rabbit tendons in vitro	*M. Wiig and S. O. Abrahamsson*	183
Scapholunate ligament repair using the Mitek™ bone anchor – Technique and preliminary results	*B. Bickert, M. Sauerbier and G. Germann*	188
Changes in hand function following wrist arthrodesis in cerebral palsy	*D. G. Hargreaves, D. J. Warwick and M. A. Tonkin*	193
The use of the motion analysis system for evaluation of loss of movement in the finger	*H-Y. Chiu, S-C. Lin, F. C. Su, S-T. Wang and H-Y. Hsu*	195
A goniometric glove for clinical hand assessment. Construction, calibration and validation	*N. W. Williams, J. M. T. Penrose, C. M. Caddy, E. Barnes, D. R. Hose and P. Harley*	200
Treatment of chronic injuries of the ulnar collateral ligament of the thumb using a free tendon graft and bone suture anchors	*G. I. Mitsionis, S. E. Varitimidis and G. G. Soterearos*	208
Computer model analysis of the Swanson and Sutter metacarpophalangeal joint implants	*N. W. Williams, J. M. T. Penrose and D. R. Hose*	212
An unusual foreign body following a punch injury	*S. A. Mehdi, D. G. Dunlop and C. W. Oliver*	221
Wrist arthrodesis following ulnar bar excision in *Fibrodysplasia ossificans progressiva*	*L. Corfield, R. Hampton and C. J. McCullough*	223
Isolated paralysis of the extensor pollicis longus muscle: A further variation of the posterior interosseous nerve palsy	*T. C. Horton*	225
Obituary: Hans Landsmeer		227
Letters to the Editor		228
Book Review		230
Notices		231
Contents to the *Journal of Hand Surgery* (American volume)		
Instructions to Authors		

THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number Three June 2000

Contents

Leading Article: The FESSH diploma examination in hand surgery	*A. K. Nachemson*	235
The histories of European Societies for Surgery of the Hand	*Geoffrey Hooper*	237
Brain plasticity and hand surgery: An overview	*G. Lundborg*	242
Proximal fractures of the fifth metacarpal: A retrospective analysis of 25 operated cases	*M. Y. Papaloizos, Ph. Le Moine, V. Prues-Latour, N. Borisch and D. R. Della Santa*	253
Clinical results of intraarticular fractures of the base of the fifth metacarpal treated by closed reduction and cast immobilization	*J. M. Lundeen and A. Y. Shin*	258
The bilobed flap: A new application in the reconstruction of congenital thumb deviation	*J. Cerqueiro-Mosquera and A. N. M. Fleming*	262
Primary vascularized distal radius bone graft for nonunion of the scaphoid	*C. Uerpairojkit, S. Leechavengvongs and K. Witoonchart*	266
Recurrent compressive neuropathy of the median nerve at the wrist: Treatment with autogenous saphenous vein wrapping	*S. E. Varitimidis, F. Riano, D. G. Vardakas and D. G. Sotereanos*	271
Effect of the Steindler procedure on the median nerve branches to the medial epicondylar muscles	*C. Chantelot, C. Feugas, H. Migaud, F. Guillem, D. Chapnikoff and C. Fontaine*	276
Variations of the posterior interosseous nerve	*A. A. Missankov, A. K. Sehgal and U. Mennen*	281
Cancer incidence in patients treated surgically for Dupuytren's contracture	*S. Wilbrand, A. Ekbom and B. Gerdin*	283
The use of an in situ curing hydroxyapatite cement as an alternative to bone graft following removal of enchondroma of the hand	*U. Joosten, A. Joist, T. Frebel, M. Walter and M. Langer*	288
Theoretical stress analysis in wrist joint – neutral position and functional position	*E. Genda and E. Horii*	292
Reverse posterior interosseous flap based on an exteriorized pedicle to cover digital skin defects	*F. Brunelli, H. Giele and R. Perrotta*	296
Defatting of skin flaps using arthroscopic instruments – an effective alternative	*W. C. Wu and W. F. Chan*	300
Continuous postoperative catheter irrigation is not necessary for the treatment of suppurative flexor tenosynovitis	*S. Lille, T. Hayakawa, M. W. Neumeister, R. E. Brown, E. G. Zook and K. Murray*	304
Mycobacterium kansasii flexor tenosynovitis presenting as carpal tunnel syndrome	*A. Wada, S. Nomura and F. Ihara*	308
Cervical outlet syndrome due to an accessory part of the trapezius muscle in the posterior triangle of the neck	*U. Hug, D. Burg and V. E. Meyer*	311
Parosteal osteosarcoma of the ring finger metacarpal in a semi-professional pianist	*M. P. Revell, P. J. Mulligan and R. J. Grimer*	314
Book reviews		317
Notices		318
Instructions to Authors		

THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number Four August 2000

Contents

Profile		321
Editorial: Avulsion injuries to the brachial plexus and the value of motor reinnervation by ipsilateral nerve transfer	*M. Frey*	323
Transfer of a single fascicle from the ulnar nerve to the biceps muscle after avulsions of upper roots of the brachial plexus	*A. Sungpet, C. Suphachatwong, V. Kawinwonggowit and A. Patradul*	325
Nerve transfer to the median nerve using parts of the ulnar and radial nerves in the rabbit – effects on motor recovery of the median nerve and donor nerve morbidity	*B. S. Lutz, D. C. C. Chuang, S. S. Chuang, J. C. Hsu, S. F. Ma and F. C. Wei*	329
Brachial plexus injuries in scapulothoracic dissociation	*E. H. Masmejean, H. Asfazadourian and J.- Y. Alnot*	336
Midcarpal arthrodesis with complete scaphoid excision and interposition bone graft in the treatment of advanced carpal collapse (snac/slac wrist): operative technique and outcome assessment	*M. Sauerbier, M. Tränkle, G. Linsner, B. Bickert and G. Germann*	341
Pressure mapping of the radioulnar carpal joint: effects of ulnar lengthening and wrist position	*L. Teurlings, G. J. Miller and T. W. Wright*	346
A comparison of trapeziectomy with and without ligament reconstruction and tendon interposition	*H. J. C. R. Belcher and J. E. Nicholl*	350
Carpal tunnel release using a short palmar incision and a new knife	*S. Avci and U. Sayli*	357
Value of electrodiagnostic tests in carpal tunnel syndrome	*A. F. Dudley Porras, P. Rojo Alaminos, J. I. Viñuales and M. A. Ruiz Villamañan*	361
Elbow extension and flexion–supination deformities in tetraplegia	*A. A. Freehafer*	366
Ultrasound for diagnosis of scaphoid fractures	*B. Munk, L. Bolvig, K. Kroner, T. Christiansen, L. Borris and S. Boe*	369
Rapid repeat testing of grip strength for detection of faked hand weakness	*M. W. Tredgett and T. R. C. Davis*	372
An experience of the Snow–Littler procedure	*M. A. Rider, S. I. Grindel, M. A. Tonkin and V. E. Wood*	376
The donor foot in free toe or joint transfers	*X. B. Yang and Y. D. Gu*	382
Reverse radial forearm fascial flap for soft tissue coverage of hand and forearm wounds	*R. A. Rogachefsky, C. G. Mendietta, P. Galpin and E. A. Ouellette*	385
A new core suture technique for flexor tendon repair: biomechanical analysis of tensile strength and gap formation	*A. Aslam and A. Afoke*	390
History of the Deutschsprachige Arbeitsgemeinschaft für Handchirurgie and the Deutsche Gesellschaft für Handchirurgie	*D. Buck-Gramcko*	393
Madelung deformity treated with ilizarov technique: a report of two cases	*S. Houshian, P. B. Jørgsholm, M. Friis, H. Schroder and R. Weeth*	396
Variable expression of isolated familial long-ring-little syndactyly	*M. M. Al-Qattan*	400
Dorsal dislocation of the capitate	*R. W. Walker and R. Pradhan*	403
Book reviews		406
Leters to the Editor		408
So you think you have read this journal?		411
Notices		412
Errata		414
Instructions to Authors		

THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number Five October 2000

Contents

Profile		415
Editorial: Personal views		417
An experimental study of ring avulsion injuries and two preventive devices	*Th. Dubert, A. Diop and P. Voeltzel*	418
Degenerative changes at the scaphotrapezial joint following Herbert screw insertion: A radiographic study comparing patients with scaphoid fracture and primary hand arthritis	*J. E. Nicholl and J. C. Buckland-Wright*	422
The treatment of scaphoid nonunion. A review of a novel technique using precision bone grafting compared with Herbert screw fixation and bone graft	*N. Maruthainar, V. J. Rasquinha and P. Gallagher*	427
Comparison of palmar tilt, radial inclination and ulnar variance in left and right wrists	*N. Hollevoet, G. van Maele, P. van Seymortier and R. Verdonk*	431
Distal radioulnar joint incongruity after shortening of the ulna	*S. C. Deshmukh, D. Shanahan and D. Coulthard*	434
Corrective osteotomy of malunited fractures of phalanges and metacarpals	*S. Gollamudi and W. A. Jones*	439
Severe Dupuytren's contracture of the proximal interphalangeal joint: Treatment by two-stage technique	*K. R. Rajesh, C. Rex, H. Mehdi, C. Martin and N. R. M. Fahmy*	442
The value of the history in the diagnosis of carpal tunnel syndrome	*J. D. P. Bland*	445
Endoscopic carpal tunnel release in selected rheumatoid patients	*H. J. C. R. Belcher, S. Varma and F. Schonauer*	451
Cubital tunnel syndrome: A retrospective review of 53 anterior subcutaneous transpositions	*T. Lascar and J. Laulan*	453
Ulnar nerve elongation and excursion in the cubital tunnel after decompression and anterior transposition	*R. Grewal, S. E. Varitimidis, D. G. Vardakas, F. H. Fu and D. G. Sotereanos*	457
Brachial plexus neuropathy	*J. H. B. Geertzen, J. W. Groothoff, J.-P. Nicolai and H. S. Rietman*	461
A novel use for lead shields in theatre: The Hartshill window	*P. J. Roberts, R. H. Wade, O. L. Thomas and N. Porter*	465
Hand surgery in Italy from 1950 to 1997	*E. M. Corrado and S. Gigliotti*	467
Carpal confusion: Is well intentioned surgery enough?	*F. D. Burke*	472
Coccidioidomycosis fungal infection in the hand mimicking a metacarpal enchondroma	*J. I. Huang, L. L. Seeger and N. F. Jones*	475
The development of hand surgery in Japan and the Japanese Society for Surgery of the Hand	*S. Tamai*	478
The proximal ligamentous component of the triangular fibrocartilage complex	*T. Nakamura and A. Makita*	479
Does high-resolution MR imaging have better accuracy than standard MR imaging for evaluation of the triangular fibrocartilage complex?	*H. Kato, R. Nakamura, K. Shionoya, N. Makino and T. Imaeda*	487
A stress distribution analysis of a ceramic lunate replacement for Kienböck's disease	*M. Oda, H. Hashizume, T. Miyake, H. Inoue and N. Nagayama*	492
Diagnostic ultrasonography of the ulnar nerve in cubital tunnel syndrome	*M. Okamoto, M. Abe, H. Shirai and N. Ueda*	499
Ultrasonography in the diagnosis of ulnar tunnel syndrome caused by an occult ganglion	*K. Nakamichi, S. Tachibana and I. Kitajima*	503
Traumatic Boutonnière deformity of the thumb	*L. J. Cardon, S. Toh and K. Tsubo*	505
The diagnostic value of intraoperative measurement of choline acetyltransferase activity during brachial plexus surgery	*Y. Hattori, K. Doi, S. Fukushima and K. Kaneko*	509
Survival factors in digital replantation: significance of postoperative anaemia	*H. Niibayashi, K. Tamura, M. Fujiwara and N. Ikeda*	512
Book review		516
So you think you have read this journal?		517
Notices		518

THE JOURNAL OF HAND SURGERY

British and European Volume 25B Number Six December 2000

Contents

Profile	*W. P. Cooney*	521
Frontispiece		522
Editorial: Should anatomic reduction be pursued in distal radial fractures?	*D. L. Fernandez*	523
Open reduction and internal fixation of intra articular and unstable fractures of the distal radius using the AO distal radius plate	*D. A. Campbell*	528
Outcome of distal radial fractures in young adults	*J. D. Gliatis, S. J. Plessas and T. R. C. Davis*	535
T incision for exposure of the distal radius and wrist	*K. D. Dao, A. Y. Shin and R. A. Berger*	544
The mechanical properties of locking and grasping suture loop configurations in four-strand core suture techniques	*A. Wada, H. Kubota, H. Hatanaka, S. Hotokezaka, H. Miura and Y. Iwamoto*	548
Flexor tendon blood vedssels	*M. E. Jones, K. Ladhani, V. Mudera, A. O. Grobbelaar, D. A. McGrouther and R. Sanders*	552
Strength of the intrinsic muscles of the hand measured with a hand-held dynamometer: reliability in patients with ulnar and median nerve paralysis	*T. A. R. Schreuders, M. Roebroeck, Th. J. M. van der Kar, J. N. M. Soeters, S. E. R. Hovius and H. J. Stam*	560
Ganglia: The patient's perception	*A. P. Westbrook, A. B. Stephen, J. Oni and T. R. C. Davis*	566
The Compass Elbow Hinge: indications and initial results	*R. J. Fox, S. E. Varitimidis, A. Plakseychuk, D. G. Vardakas, M. M. Tomaino and D. G. Sotereanos*	568
Efficacy of forearm versus upper arm tourniquet for local anaesthetic surgery of the hand	*S. A. Edwards, G. D. Harper and G. E. B. Giddins*	573
A modification of the technique for intravenous regional blockade for hand surgery	*C. H. J. Tham and B. H. Lim*	575
Rhys-Davies exsanguinator: pressure characteristics and technique for improving performance	*P. C. Harris, D. Atkinson and R. A. Evans*	578
Adhesion formation after nerve repair: an experimental study of early protected mobilization in the rabbit	*W. Y. Ip, T. Shibata, F. H. Tang, A. F. T. Mak and S. P. Chow*	582
Peripheral nerve motion measurement with spectral Doppler sonography: a reliability study	*A. D. Hough, A. P. Moore and M. P. Jones*	585
The effectiveness of ADCON-T/N, a new anti-adhesion barrier gel, in fresh divisions of the flexor tendons in zone II	*M. Mentzel, H. Hoss, P. Keppler, T. Ebinger, L. Kinzl and N. J. Wachter*	590
Validity and reliability of three generic outcome measures for hand disorders	*R. Sharma and J. J. Dias*	593
Outcome measures following metacarpophalangeal joint replacement	*K. Synnott, H. Mullett, H. Fault and E. P. Kelly*	601
Schwannomas of the upper extremity	*H. J. Kang, S. J. Shin and E. S. Kang*	604
The first toe-to-hand transfer: a thirty-year follow-up	*I. H. Whitworth and M. A. Pickford*	608
Digital arterial occlusion in scleroderma: is there a role for digital arterial reconstruction?	*M. M. Tomaino*	611
Self-assessment: Continuing medical education	*Ian Leslie*	614
So you think you have read this journal?		615
Book Review		616
Letters to the Editor		617
Notices		618
Author Index		620
Subject Index		625
Contents to the *Journal of Hand Surgery* (American Volume)		
Instructions to Authors		